

FEATURES

- AGM technology for efficient gas recombination and lower I.R.
- Individually tank-formated plates optimize uniformity of cell
- high performance alloy to secure corrosion-proof feature
- long service life, float or cyclic application
- Maintenance-free operation
- Sealed construction, no electrolyte leakage or spill
- Computer-aided design and manufacturing ensures quality products through control of process and standards

SPECIFICATION

Nominal Voltage	12V	
Nominal Capacity	3.3Ah@20Hr-rate to 1.75V/cell	
Approx. Weight	1.32Kg (2.91Lbs)	
Internal Resistance	30mΩ(Fully Charged)@25°C	
Self-Discharge	Average 3% of capacity declined per month@25°C	
Nominal Operating Temp.	25±3°C (77±5°F)	
Operating Temp. Range	Discharge: -20°C ~ 50°C (-4 ~ 122°F)	
	Charge: -15~40°C (5 ~ 104°F)	
	Storage: -20°C ~ 40°C (-4 ~ 104°F)	
Max. Discharge Current	49A(5 sec.)	
Capacity Affected by Temp.	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Container Material	ABS(UL94-HB,UL94-V0 is optional)	

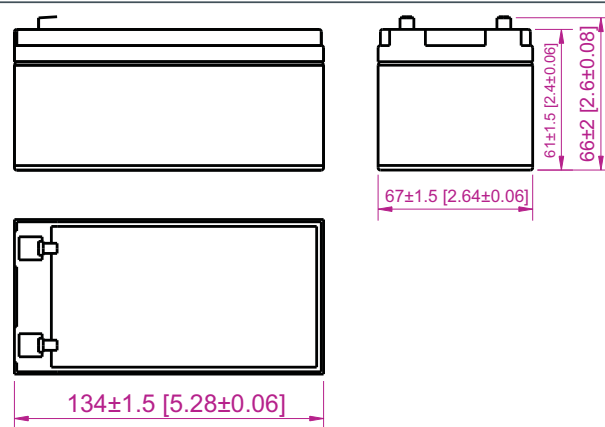
APPLICATION

- All Purpose
- UPS
- Signal Light
- Alarm and Security System
- DC Power Supply
- Auto Control Sytem

OUTER DIMENSION

- **Length**
134±1.5
- **Width**
67±1.5
- **Height**
61±1.5
- **Total height**
66±2.0

Unit: mm(inch)

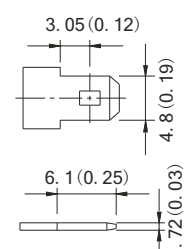


Technical drawings showing dimensions in mm and inches:

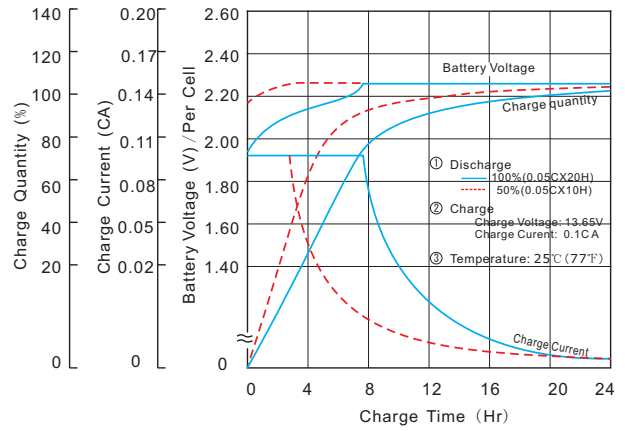
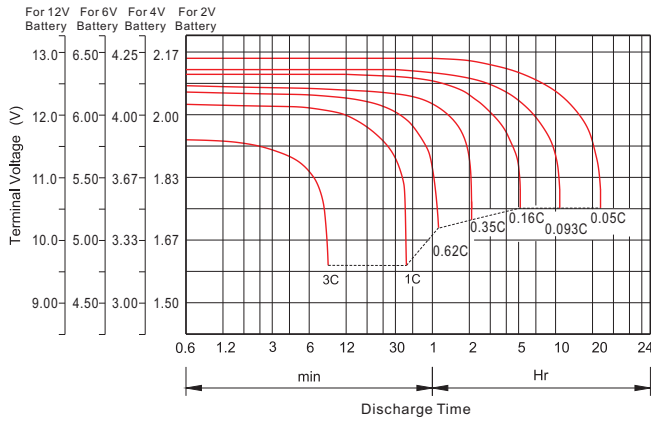
- Length: 134±1.5 [5.28±0.06]
- Width: 67±1.5 [2.64±0.06]
- Height: 61±1.5 [2.4±0.06]
- Total height: 66±2 [2.6±0.08]

Terminal Type

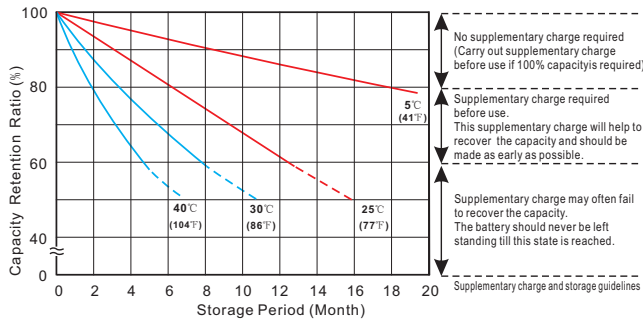
- Terminal F0



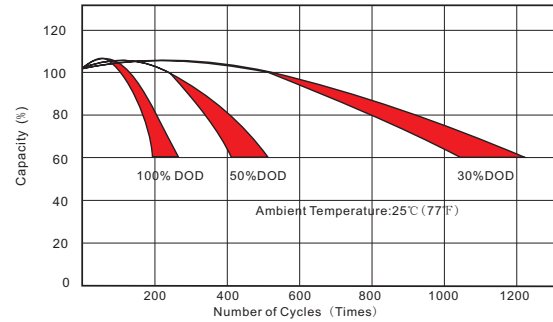
Terminal F0 dimensions: 3.05 (0.12), 4.8 (0.19), 6.1 (0.25), 0.72 (0.03)



Capacity Retention Characteristics



Cycle Service life



Charge Procedure

Application	Constant Voltage Charge (V/cell)			Max. Charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C (77°F)	2.425	2.40~2.45	0.3C
Standby Use	25°C (77°F)	2.275	2.25~2.30	

Note: Temp. Compensation Coefficient of Charge Voltage, Cycle use: -4mV/°C/cell, Standby Use: -3mV/°C/cell

Discharge Current VS. Discharge Voltage

Final Discharge Voltage (V/cell)	1.75	1.70	1.60	1.30
Discharge Current (A)	0.2C > (A)	0.2C < (A) < 0.5C	0.5C < (A) < 1C	(A) > 1C

Constant Current (CC, Unit: A) & Constant Power (CP, Unit: W) Discharge Table at 25°C (77°F)

F.V. (V/cell)	Model	Time	5 Min	10 Min	15 Min	30 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	8 Hr	10 Hr	20 Hr
			CC (A)	CP (W)	CC (A)	CP (W)	CC (A)	CP (W)	CC (A)	CP (W)	CC (A)	CP (W)	CC (A)	CP (W)
1.60V	CC (A)													
	CP (W)													
1.70V	CC (A)													
	CP (W)													
1.75V	CC (A)													
	CP (W)													
1.80V	CC (A)													
	CP (W)													
1.85V	CC (A)													
	CP (W)													

Note: The above data are average values, and can be obtained with 3 charge/discharge cycles.